

microscope. Within a square inch of surface in certain leaves of plants a microscope has shown a hundred and sixty thousand openings or mouths for receiving carbonic acid gas from the air, to form the substance of the plant—an important fact for farmers.

The animated universe, or living moving things, exhibit mechanism inexpressibly varied, rich, and beautiful, both in their forms and motions. A fish never moves a fin, a bird a wing, a centipede a foot, a quadruped a limb, or a human being a finger, without an exhibition of some principle or form of mechanism.—The infinitely varied forms of natural objects, embracing animal, vegetable, and mineral creation, are far beyond the comprehension of any human being within the period of the longest natural life. Albe Huyg, of France, spent his whole life on the subject of crystalligraphy—the forms and relations of mineral substances. The most finished human architect, either in ancient or modern times, though producing works to be admired through ages, is a mere point, well-nigh a dark speck, when compared with the great Architect of the universe. When compared with the vastness, the richness, the beauty, the sublimity, the glory of the architecture of the heavens and of the earth—the orbits of the planets and the structure of leaves, and microscopic work of insects—human architecture is poor indeed.

While mechanism, in the broadest sense of the word, has a stretch too far, and a division too minute, for any human power, during any human life, to comprehend, the elements of the whole are entirely within the reach of the child of five, or even of three, years old. The most important element is the most simple object of human observation—a simple three-sided figure, or equilateral triangle. Such a figure every pupil in any school of five or five hundred scholars may form, at least approximate, any moment when the opportunity should be afforded by their teacher, simply by placing before them slates and pencils, with permission to use them. Several of these figures combined exhibit the snow-flake. Combined in a different form, they show the crystal of the diamond, of gold, of iron, of lead, and of nearly a hundred forms of mineral crystals.

The next most simple figure, the square, is the next most rich and varied in its combinations. For human mechanism, it is even more important than the triangle, and scarcely less within the skill of the child.

By a short series of short articles on the subject of mechanism, an attempt will be made to show the importance to every human being of a familiar acquaintance with its elements, and its entire fitness for practical exercises in the primary instruction of every pupil the moment he enters a school.

A Western Judge.

A paper published somewhere out West gives the following report of a Judge's sentence lately passed on a criminal. Brumley was doubtless a "hard case," but what kind of a "case" the Judge was, may best be determined after reading the following:

"Brumley, you infamous scoundrel! you undecreed villain—you hasn't a single redeemed trait in your character—your wife and family wish we had sent you to the Penitentiary. This is the fifth time I've had you before me, and you have put me to more trouble than your neck is worth. I've exhorted and prayed over you long enough, you scoundrel! Just go home and take one glimpse at your family, and be off in short order; don't let me ever hear of you again. The Grand Jury have found two other indictments against you, but I have discharged you on your own recognition, and if I find you in this neck of woods to-morrow morning at daylight, I'll seek you right square in jail and bump you off to Jeffersonville in less than no time—you infamous scoundrel! If I ever knock you crooking your finger at man, woman or child—white, man or nigger—I'll seek you right square in the jug; stand up you reprobate, while I pass sentence upon you."

Charging too Much.—Julius, why didn't you oblong your stay at the Springs?

"Case, Mr. Snow, dey charge to much."

"How so, Julius?"

"Why, de hardid charged dis colored individual with stealing the spoons?"

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